Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-530 (Canceled).

531. (Currently amended) A method of treating an angiogenic disease or condition in an animal comprising administering to the animal an amount of a metal-binding peptide which does not have a metal ion bound to it or of a physiologically-acceptable salt of the peptide, the amount of the peptide or salt which is administered to the animal being effective to inhibit angiogenesis, the sequence of the peptide being:

$$P_1 - P_2$$

wherein:

P₁ is:

Xaa, Xaa, His or

Xaa, Xaa, His Xaa,

the P₁ portion of the peptide being linear;

P, is (Xaa_d),;

 Xaa_1 is the N-terminal amino acid of the peptide, the only substituents on the α -amino group of Xaa_1 are hydrogen, and Xaa_1 is glycine, alanine, valine, leucine, isoleucine, serine, threonine, aspartic acid, asparagine, glutamic acid, glutamine, lysine, hydroxylysine, histidine, arginine, ornithine, phenylalanine, tyrosine, tryptophan, cysteine, methionine, or α -hydroxymethylserine;

Xaa₂ is alanine, β -alanine, valine, leucine, isoleucine, serine, threonine, aspartic acid, asparagine, glutamic acid, glutamine, lysine, hydroxylysine, histidine, arginine, ornithine, phenylalanine, tyrosine, tryptophan, cysteine, methionine, or α -hydroxymethylserine;

Xaa, is glycine, alanine, valine, lysine, arginine, ornithine, aspartic acid, glutamic acid, asparagine, glutamine or tryptophan; and

P₂ is an amino acid sequence which comprises the sequence of a metal binding site, and

P2 contains no more than 10 amino acids

Xaa, is any amino acid; and

n is 0-10.

532. (Previously presented) The method of Claim 531 wherein:

 Xaa_1 is glycine, alanine, valine, leucine, isoleucine, serine, threonine, aspartic acid, glutamic acid, lysine, hydroxylysine, histidine, arginine, or α -hydroxymethylserine, and

Xaa₂ is alanine, valine, leucine, isoleucine, threonine, serine, asparagine, glutamine, cysteine, methionine, lysine, hydroxylysine, histidine, arginine, or α -hydroxymethylserine.

- 533. (Previously presented) The method of Claim 531 wherein Xaa₁ is aspartic acid, glutamic acid, arginine, threonine or α-hydroxymethylserine.
- 534. (Previously presented) The method of Claim 531 wherein Xaa₂ is alanine, valine, leucine, isoleucine, threonine, serine, asparagine, methionine, histidine or α-hydroxymethylserine.
 - 535. (Previously presented) The method of Claim 531 wherein Xaa3 is lysine.
 - 536. (Previously presented) The method of Claim 531 wherein:

 Xaa_1 is aspartic acid, glutamic acid, arginine, lysine, threonine, serine or α -hydroxymethylserine,

 Xaa_2 is alanine, valine, leucine, isoleucine, threonine, serine, asparagine, methionine, histidine or α -hydroxymethylserine, and

Xaa, when present, is lysine.

- 537. (Previously presented) The method of Claim 536 wherein Xaa₁ is aspartic acid or glutamic acid and Xaa₂ is alanine, valine, leucine, isoleucine, threonine, serine or α-hydroxymethylserine.
- 538. (Previously presented) The method of Claim 537 wherein Xaa₂ is alanine, valine, leucine or isoleucine.
- 539. (Previously presented) The method of Claim 538 wherein P_{τ} is Asp Ala His or Asp Ala His Lys.

- 540. (Previously presented) The method of Claim 539 wherein P₁ is Asp Ala His Lys.
- 541. (Previously presented) The method of Claim 536 wherein Xaa₁ is arginine, lysine, threonine, serine or α-hydroxymethylserine, and Xaa₂ is alanine, valine, leucine, isoleucine, threonine, serine or α-hydroxymethylserine.
- 542. (Previously presented) The method of Claim 541 wherein P_1 is Thr Leu His, HMS HMS His or Arg Thr His.
 - 543-546. (Cancelled)
- 547. (Currently amended) The method of <u>Claim 531</u> Claim 546 wherein P₂ comprises one of the following sequences:

wherein:

Xaa4 is any amino acid;

m is 0-5; and

 Xaa_{5} is an amino acid having a free side-chain -NH₂, and $(Xaa_{4})_{m}$, if present, or P₁ is attached to Xaa_{5} by means of the side-chain amino group.

- 548. (Previously presented) The method of Claim 547 wherein Xaa₅ is Orn or Lys.
- 549. (Canceled)
- 550. (Currently amended) The method of <u>Claim 531 Claim 546</u> wherein P₂ comprises a sequence which binds Cu(I).
- 551. (Previously presented) The method of Claim 550 wherein P₂ comprises one of the following sequences:

Met Xaa₄ Met, Met Xaa₄ Xaa₄ Met, Cys Cys, Cys Xaa₄ Cys, Cys Xaa₄ Xaa₄ Cys,

Met Xaa $_4$ Cys Xaa $_4$ Xaa $_4$ Cys, GIy Met Xaa $_4$ Cys Xaa $_4$ Xaa $_4$ Cys [SEQ ID NO:7], GIy Met Thr Cys Xaa $_4$ Xaa $_4$ Cys [SEQ ID NO:8], GIy Met Thr Cys Ala Asn Cys [SEQ ID NO:9], or γ -Glu Cys GIy.

552. (Previously presented) The method of Claim 551 wherein P_2 is Gly Met Thr Cys Ala Asn Cys [SEQ ID NO:9].

553-554. (Canceled)

555. (Currently amended) The method of Claim 531 wherein at least one of the amino acids of P, other than β-alanine or glycine, when present, is a D-amino acid.

556-557 (Canceled)

558. (Currently amended) The method of Claim 531 or 555 wherein at least one of the amino acids of P, other than β-alanine or glycine, when present, is a D-amino acid.

559. (Canceled)

560. (Currently amended) The method of Claim <u>531</u> 559 wherein the terminal -COOH of P₁-P₂ is substituted to produce -COR₂, wherein R₂ is -NH₂, -NHR₁, -N(R₁)₂, -OR₁, or -R₁, wherein R₁ is an alkyl, aryl or heteroaryl.

561-568. (Canceled)

569. (Currently amended) The method of any one of Claims 531-542, 544-548, 550-555, 558-568 or 577-580 Claim 531 wherein the angiogenic disease or condition is a neoplastic disease, a connective tissue disorder, psoriasis, an ocular angiogenic disease, a cardiovascular disease, a cerebral vascular disease, hemophiliac joints, an immune disorder, a benign tumor, hypertrophy, endometriosis, polyposis, or obesity.

570. (Previously presented) The method of Claim 569 wherein the angiogenic disease or condition is a neoplastic disease.

571. (Previously presented) The method of Claim 570 wherein the neoplastic disease is a tumor

- 572. (Previously presented) The method of Claim 571 wherein the tumor is located in the bladder, brain, breast, kidney, liver, pancreas, lung, cervix, ovary, prostate, stomach, intestines, colon, rectum, or uterus.
- 573. (Previously presented) The method of Claim 570 wherein the neoplastic disease is tumor metastasis.
- 574. (Previously presented) The method of Claim 569 wherein the angiogenic disease or condition is psoriasis.
- 575. (Previously presented) The method of Claim 569 wherein the angiogenic disease or condition is an ocular angiogenic disease.
- 576. (Previously presented) The method of Claim 575 wherein the ocular angiogenic disease is macular degeneration.
 - 577-580. (Canceled)
- 581. (New) The method of any one of Claims 550-552 wherein $P_{\rm I}$ is Asp Ala His or Asp Ala His Lys.